Experiment Number: 20406-02 P02: INCIDENCE RATES OF NEOPLASMS BY ANATOMIC SITE (a) Test Type: 1-YEAR Test Compound: Aloe phototoxicity studies **CAS Number:** ALOEPHOTOTOX **Route: SKIN APPLICATION** Species/Strain: Mouse/SKH-1/NCTR C Number: C20406 Lock Date: 12/02/2008 **Cage Range:** ΑII **Date Range:** ΑII **Reasons For Removal:** ΑII **Removal Date Range:** ΑII **Treatment Groups:** ΑII

Study Gender:

PWG Approval Date

Female

NONE

Date Report Requested: 10/23/2014

Time Report Requested: 13:01:39

First Dose M/F: NA / NA

Test Type: 1-YEAR

Route: SKIN APPLICATION

P02: INCIDENCE RATES OF NEOPLASMS BY ANATOMIC SITE (a)

Test Compound: Aloe phototoxicity studies **CAS Number:** ALOEPHOTOTOX

Date Report Requested: 10/23/2014 Time Report Requested: 13:01:39

First Dose M/F: NA / NA

Lab: NCTR

Species/Strain: Mouse/SKH-1/NCTR

SKH-1/NCTR Mouse FEMALE	NOCREAM NO_ SSL	VEHICLE NO_SSL	ALOGEL6% NO_ SSL	WHLEAF6% NO_ SSL	CHARCL6% NO_ SSL	AEMOD_ H NO_ SSL
Disposition Summary						
Animals Initially In Study	36	36	36	36	36	36
Early Deaths						
Moribund Sacrifice	5	7	2	2	3	
Natural Death	1		2			1
Survivors						
Moribund Sacrifice			2		1	2
Terminal Sacrifice	30	28	30	33	32	33
Harvest		1		1		
Animals Examined Microscopically	36	36	36	36	36	36
ALIMENTARY SYSTEM						
None						
CARDIOVASCULAR SYSTEM						
None						
ENDOCRINE SYSTEM						
None						
GENERAL BODY SYSTEM						
None						
GENITAL SYSTEM						
None						
HEMATOPOIETIC SYSTEM						
None						
INTEGUMENTARY SYSTEM						
Skin, Control	(36)	(36)	(36)	(36)	(36)	(36)
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a - Number of animals examined microscopically at site and number of animals with lesion

b - Primary tumors: all tumors except metastatic tumors

^{*} Number of animals with any tissue examined microscopically

Species/Strain: Mouse/SKH-1/NCTR

Route: SKIN APPLICATION

Test Type: 1-YEAR

P02: INCIDENCE RATES OF NEOPLASMS BY ANATOMIC SITE (a)

Test Compound: Aloe phototoxicity studies

CAS Number: ALOEPHOTOTOX

Date Report Requested: 10/23/2014 Time Report Requested: 13:01:40

First Dose M/F: NA / NA

Lab: NCTR

SKH-1/NCTR Mouse FEMALE	NOCREAM NO_SSL	VEHICLE NO_SSL	ALOGEL6% NO_ SSL	WHLEAF6% NO_ SSL	CHARCL6% NO_ SSL	AEMOD_ H NO_ SSL
Lymphoma Malignant					1 (3%)	
Sebaceous GI, Adenoma						
Squamous Cell Carcinoma In Situ, One						
Squamous Cell Carcinoma, One						
Squamous Cell Papilloma, One						
Subcut Tiss, Lipoma		1 (3%)				
Subcut Tiss, Lymphoma Malignant		1 (3%)				
Skin, Site Of Application	(3)	(0)	(0)	(0)	(0)	(0)
Skin, Site of Application	(33)	(36)	(36)	(36)	(36)	(36)
Lymphoma Malignant		1 (3%)			1 (3%)	
Squamous Cell Carcinoma In Situ, > Five						
Squamous Cell Carcinoma In Situ, Five						
Squamous Cell Carcinoma In Situ, Four						
Squamous Cell Carcinoma In Situ, One						
Squamous Cell Carcinoma In Situ, Three						
Squamous Cell Carcinoma In Situ, Two						
Squamous Cell Carcinoma, Four						
Squamous Cell Carcinoma, One						
Squamous Cell Carcinoma, Three						
Squamous Cell Carcinoma, Two						
Squamous Cell Papilloma, > Five						
Squamous Cell Papilloma, Five						
Squamous Cell Papilloma, Four						
Squamous Cell Papilloma, One				1 (3%)		
Squamous Cell Papilloma, Three						
Squamous Cell Papilloma, Two						

MUSCULOSKELETAL SYSTEM

a - Number of animals examined microscopically at site and number of animals with lesion

b - Primary tumors: all tumors except metastatic tumors

^{*} Number of animals with any tissue examined microscopically

Test Type: 1-YEAR

Route: SKIN APPLICATION

P02: INCIDENCE RATES OF NEOPLASMS BY ANATOMIC SITE (a)

Test Compound: Aloe phototoxicity studies **CAS Number:** ALOEPHOTOTOX

Date Report Requested: 10/23/2014 Time Report Requested: 13:01:40

First Dose M/F: NA / NA

Lab: NCTR

Species/Strain: Mouse/SKH-1/NCTR

SKH-1/NCTR Mouse FEMALE	NOCREAM NO_SSL	VEHICLE NO_SSL	ALOGEL6% NO_ SSL	WHLEAF6% NO_ SSL	CHARCL6% NO_ SSL	AEMOD_ H NO_ SSL
None						
NERVOUS SYSTEM None						
RESPIRATORY SYSTEM None						
SPECIAL SENSES SYSTEM None						
URINARY SYSTEM None						
SYSTEMIC LESIONS Multiple Organ Lymphoma Malignant	*(36)	*(36) 1 (3%)	*(36)	*(36)	*(36) 1 (3%)	*(36)

a - Number of animals examined microscopically at site and number of animals with lesion

b - Primary tumors: all tumors except metastatic tumors

^{*} Number of animals with any tissue examined microscopically

Species/Strain: Mouse/SKH-1/NCTR

Test Type: 1-YEAR

Route: SKIN APPLICATION

P02: INCIDENCE RATES OF NEOPLASMS BY ANATOMIC SITE (a)

Test Compound: Aloe phototoxicity studies **CAS Number:** ALOEPHOTOTOX

Date Report Requested: 10/23/2014 Time Report Requested: 13:01:40

First Dose M/F: NA / NA

Lab: NCTR

(36)

(36)

SKH-1/NCTR Mouse FEMALE	NOCREAM 6.85SSL	NOCREAM 13.7SSL	VEHICLE 13.7SSL	ALOGEL3% 13.7SSL	ALOGEL6% 13.7SSL	WHLEAF3% 13.7SSL
Disposition Summary						
Animals Initially In Study	36	36	36	36	36	36
Early Deaths						
Moribund Sacrifice	1	1	1	4	4	2
Natural Death	1				1	1
Survivors						
Moribund Sacrifice	3					1
Terminal Sacrifice	24	1	2			1
Harvest	7	34	33	32	31	31
Animals Examined Microscopically	36	36	36	36	36	36
ALIMENTARY SYSTEM None						
CARDIOVASCULAR SYSTEM None						
ENDOCRINE SYSTEM None						
GENERAL BODY SYSTEM None						
GENITAL SYSTEM None						
HEMATOPOIETIC SYSTEM None						
INTEGUMENTARY SYSTEM						

(36)

Skin, Control

Lymphoma Malignant

(36)

(36)

(36)

a - Number of animals examined microscopically at site and number of animals with lesion

b - Primary tumors: all tumors except metastatic tumors

^{*} Number of animals with any tissue examined microscopically

Species/Strain: Mouse/SKH-1/NCTR

Route: SKIN APPLICATION

Test Type: 1-YEAR

P02: INCIDENCE RATES OF NEOPLASMS BY ANATOMIC SITE (a)

Test Compound: Aloe phototoxicity studies **CAS Number:** ALOEPHOTOTOX

Time Report Requested: 13:01:40

Date Report Requested: 10/23/2014

8 (23%)

First Dose M/F: NA / NA

Lab: NCTR

4 (11%)

SKH-1/NCTR Mouse FEMALE	NOCREAM 6.85SSL	NOCREAM 13.7SSL	VEHICLE 13.7SSL	ALOGEL3% 13.7SSL	ALOGEL6% 13.7SSL	WHLEAF3% 13.7SS
Sebaceous Gl, Adenoma						
Squamous Cell Carcinoma In Situ, One		1 (3%)				1 (3%)
Squamous Cell Carcinoma, One	2 (6%)			2 (6%)		
Squamous Cell Papilloma, One	6 (17%)	1 (3%)			1 (3%)	2 (6%)
Subcut Tiss, Lipoma						
Subcut Tiss, Lymphoma Malignant						
Skin, Site Of Application	(0)	(0)	(0)	(0)	(0)	(1)
Skin, Site of Application	(36)	(36)	(36)	(36)	(36)	(35)
Lymphoma Malignant	1 (3%)					1 (3%)
Squamous Cell Carcinoma In Situ, > Five		3 (8%)	2 (6%)	4 (11%)	5 (14%)	12 (34%)
Squamous Cell Carcinoma In Situ, Five	1 (3%)	1 (3%)	3 (8%)	4 (11%)	5 (14%)	3 (9%)
Squamous Cell Carcinoma In Situ, Four		2 (6%)	3 (8%)	8 (22%)	2 (6%)	2 (6%)
Squamous Cell Carcinoma In Situ, One	4 (11%)	10 (28%)	9 (25%)	5 (14%)	7 (19%)	4 (11%)
Squamous Cell Carcinoma In Situ, Three	2 (6%)	7 (19%)	6 (17%)	5 (14%)	3 (8%)	4 (11%)
Squamous Cell Carcinoma In Situ, Two	2 (6%)	5 (14%)	7 (19%)	6 (17%)	6 (17%)	6 (17%)
Squamous Cell Carcinoma, Four		1 (3%)				
Squamous Cell Carcinoma, One	2 (6%)	16 (44%)	20 (56%)	15 (42%)	17 (47%)	16 (46%)
Squamous Cell Carcinoma, Three		1 (3%)	1 (3%)	2 (6%)		2 (6%)
Squamous Cell Carcinoma, Two		5 (14%)	4 (11%)	5 (14%)	6 (17%)	2 (6%)
Squamous Cell Papilloma, > Five		2 (6%)	1 (3%)	6 (17%)	5 (14%)	6 (17%)
Squamous Cell Papilloma, Five		3 (8%)	1 (3%)	3 (8%)	1 (3%)	
Squamous Cell Papilloma, Four			5 (14%)	2 (6%)	8 (22%)	2 (6%)
Squamous Cell Papilloma, One	6 (17%)	7 (19%)	5 (14%)	4 (11%)	7 (19%)	5 (14%)
Squamous Cell Papilloma, Three	6 (17%)	3 (8%)	3 (8%)	5 (14%)	4 (11%)	5 (14%)

MUSCULOSKELETAL SYSTEM

Squamous Cell Papilloma, Two

None

4 (11%)

6 (17%)

5 (14%)

5 (14%)

a - Number of animals examined microscopically at site and number of animals with lesion

b - Primary tumors: all tumors except metastatic tumors

^{*} Number of animals with any tissue examined microscopically

Test Type: 1-YEAR

P02: INCIDENCE RATES OF NEOPLASMS BY ANATOMIC SITE (a)

Test Compound: Aloe phototoxicity studies **CAS Number:** ALOEPHOTOTOX

Date Report Requested: 10/23/2014 Time Report Requested: 13:01:40

First Dose M/F: NA / NA

Lab: NCTR

Route: SKIN APPLICATION
Species/Strain: Mouse/SKH-1/NCTR

SKH-1/NCTR Mouse FEMALE	NOCREAM 6.85SSL	NOCREAM 13.7SSL	VEHICLE 13.7SSL	ALOGEL3% 13.7SSL	ALOGEL6% 13.7SSL	WHLEAF3% 13.7SSL
NERVOUS SYSTEM None						
RESPIRATORY SYSTEM None						
SPECIAL SENSES SYSTEM None						
URINARY SYSTEM None						
SYSTEMIC LESIONS						
Multiple Organ Lymphoma Malignant	*(36) 1 (3%)	*(36)	*(36)	*(36)	*(36)	*(36) 1 (3%)

a - Number of animals examined microscopically at site and number of animals with lesion

b - Primary tumors: all tumors except metastatic tumors

^{*} Number of animals with any tissue examined microscopically

Species/Strain: Mouse/SKH-1/NCTR

Route: SKIN APPLICATION

Test Type: 1-YEAR

P02: INCIDENCE RATES OF NEOPLASMS BY ANATOMIC SITE (a)

Test Compound: Aloe phototoxicity studies **CAS Number:** ALOEPHOTOTOX

Time Report Requested: 13:01:40

Date Report Requested: 10/23/2014

First Dose M/F: NA / NA

SKH-1/NCTR Mouse FEMALE	WHLEAF6% 13.7SSL	CHARL3% 13.7SSL	CHARCL6% 13.7SSL	. AEMOD_LO 13.7SSL	AEMOD_HI 13.7SSL	NOCREAM 20.5SSL
Disposition Summary						
Animals Initially In Study	36	36	36	36	36	36
Early Deaths						
Moribund Sacrifice	1		2	4	1	1
Natural Death	3	2	1		2	
Survivors						
Moribund Sacrifice						
Terminal Sacrifice						
Harvest	32	34	33	32	33	35
Animals Examined Microscopically	36	36	36	36	36	36
ALIMENTARY SYSTEM						
None						
CARDIOVASCULAR SYSTEM						
None						
ENDOCRINE SYSTEM						
None						
GENERAL BODY SYSTEM						
None						
GENITAL SYSTEM						
None						
HEMATOPOIETIC SYSTEM						
None						
	<u> </u>					
INTEGUMENTARY SYSTEM						
Skin, Control	(36)	(36)	(36)	(36)	(36)	(36)
Lymphoma Malignant			1 (3%)			

a - Number of animals examined microscopically at site and number of animals with lesion

b - Primary tumors: all tumors except metastatic tumors

^{*} Number of animals with any tissue examined microscopically

Test Type: 1-YEAR

P02: INCIDENCE RATES OF NEOPLASMS BY ANATOMIC SITE (a)

Test Compound: Aloe phototoxicity studies **CAS Number:** ALOEPHOTOTOX

Route: SKIN APPLICATION

Species/Strain: Mouse/SKH-1/NCTR

Date Report Requested: 10/23/2014 **Time Report Requested:** 13:01:40

First Dose M/F: NA / NA

Lab: NCTR

SKH-1/NCTR Mouse FEMALE	WHLEAF6% 13.7SSL	CHARL3% 13.7SSL	CHARCL6% 13.7SSL	AEMOD_LO 13.7SSL	AEMOD_HI 13.7SSL	NOCREAM 20.5SSL
Sebaceous GI, Adenoma				1 (3%)		
Squamous Cell Carcinoma In Situ, One	1 (3%)					
Squamous Cell Carcinoma, One	1 (3%)					
Squamous Cell Papilloma, One	1 (3%)	2 (6%)	2 (6%)	1 (3%)	1 (3%)	
Subcut Tiss, Lipoma						
Subcut Tiss, Lymphoma Malignant						
Skin, Site Of Application	(0)	(0)	(0)	(0)	(1)	(0)
Skin, Site of Application	(36)	(36)	(36)	(36)	(35)	(36)
Lymphoma Malignant			1 (3%)			
Squamous Cell Carcinoma In Situ, > Five	3 (8%)	9 (25%)	5 (14%)	4 (11%)	6 (17%)	1 (3%)
Squamous Cell Carcinoma In Situ, Five	1 (3%)	7 (19%)	5 (14%)	2 (6%)	3 (9%)	1 (3%)
Squamous Cell Carcinoma In Situ, Four	4 (11%)	4 (11%)	6 (17%)	5 (14%)	5 (14%)	3 (8%)
Squamous Cell Carcinoma In Situ, One	6 (17%)	3 (8%)	7 (19%)	9 (25%)	5 (14%)	7 (19%)
Squamous Cell Carcinoma In Situ, Three	4 (11%)	6 (17%)	2 (6%)	3 (8%)	6 (17%)	7 (19%)
Squamous Cell Carcinoma In Situ, Two	10 (28%)	3 (8%)	4 (11%)	4 (11%)	6 (17%)	4 (11%)
Squamous Cell Carcinoma, Four					1 (3%)	1 (3%)
Squamous Cell Carcinoma, One	14 (39%)	10 (28%)	9 (25%)	19 (53%)	11 (31%)	8 (22%)
Squamous Cell Carcinoma, Three		1 (3%)	1 (3%)	2 (6%)	4 (11%)	1 (3%)
Squamous Cell Carcinoma, Two	4 (11%)	4 (11%)	7 (19%)	1 (3%)	3 (9%)	7 (19%)
Squamous Cell Papilloma, > Five	6 (17%)	5 (14%)	10 (28%)	4 (11%)	5 (14%)	2 (6%)
Squamous Cell Papilloma, Five	3 (8%)	3 (8%)		6 (17%)	2 (6%)	1 (3%)
Squamous Cell Papilloma, Four	4 (11%)	2 (6%)	3 (8%)	3 (8%)	2 (6%)	
Squamous Cell Papilloma, One	4 (11%)	7 (19%)	6 (17%)	4 (11%)	7 (20%)	8 (22%)
Squamous Cell Papilloma, Three	6 (17%)	6 (17%)	5 (14%)	6 (17%)	4 (11%)	2 (6%)
Squamous Cell Papilloma, Two	6 (17%)	7 (19%)	7 (19%)	4 (11%)	9 (26%)	3 (8%)

MUSCULOSKELETAL SYSTEM

None

a - Number of animals examined microscopically at site and number of animals with lesion

b - Primary tumors: all tumors except metastatic tumors

^{*} Number of animals with any tissue examined microscopically

Test Type: 1-YEAR

Route: SKIN APPLICATION

P02: INCIDENCE RATES OF NEOPLASMS BY ANATOMIC SITE (a)

Test Compound: Aloe phototoxicity studies **CAS Number:** ALOEPHOTOTOX

Date Report Requested: 10/23/2014 Time Report Requested: 13:01:40

First Dose M/F: NA / NA

Lab: NCTR

Species/Strain: Mouse/SKH-1/NCTR

SKH-1/NCTR Mouse FEMALE	WHLEAF6% 13.7SSL	CHARL3% 13.7SSL	CHARCL6% 13.7SSL	AEMOD_LO 13.7SSL	AEMOD_HI 13.7SSL	NOCREAM 20.5SSL
NERVOUS SYSTEM None						
RESPIRATORY SYSTEM None						
SPECIAL SENSES SYSTEM None						
URINARY SYSTEM None						
SYSTEMIC LESIONS Multiple Organ Lymphoma Malignant	*(36)	*(36)	*(36) 1 (3%)	*(36)	*(36)	*(36)

a - Number of animals examined microscopically at site and number of animals with lesion

b - Primary tumors: all tumors except metastatic tumors

^{*} Number of animals with any tissue examined microscopically

Species/Strain: Mouse/SKH-1/NCTR

Total Uncertain Neoplasms

Route: SKIN APPLICATION

Test Type: 1-YEAR

P02: INCIDENCE RATES OF NEOPLASMS BY ANATOMIC SITE (a)

Test Compound: Aloe phototoxicity studies

CAS Number: ALOEPHOTOTOX

Date Report Requested: 10/23/2014 Time Report Requested: 13:01:40

First Dose M/F: NA / NA

SKH-1/NCTR Mouse FEMALE	NOCREAM NO_SSL	VEHICLE NO_SSL	ALOGEL6% NO_ SSL	WHLEAF6% NO_ SSL	CHARCL6% NO_ SSL	AEMOD_ H NO_ SSL
Tumor Summary for FEMALE						
Total Animals with Primary Neoplasms (b)		2		1	1	
Total Primary Neoplasms		2		1	1	
Total Animals with Benign Neoplasms		1		1		
Total Benign Neoplasms		1		1		
Total Animals with Malignant Neoplasms		1			1	
Total Malignant Neoplasms		1			1	
Total Animals with Metastatic Neoplasms Total Metastatic Neoplasms						
Total Metastatic Neopiasilis						
Total Animals with Malignant Neoplasms Uncertain Primary Site						
Total Animals with Neoplasms Uncertain - Benign or Malignant						

a - Number of animals examined microscopically at site and number of animals with lesion

b - Primary tumors: all tumors except metastatic tumors

^{*} Number of animals with any tissue examined microscopically

Species/Strain: Mouse/SKH-1/NCTR

Total Uncertain Neoplasms

Route: SKIN APPLICATION

Test Type: 1-YEAR

P02: INCIDENCE RATES OF NEOPLASMS BY ANATOMIC SITE (a)

Test Compound: Aloe phototoxicity studies **CAS Number:** ALOEPHOTOTOX

Date Report Requested: 10/23/2014 Time Report Requested: 13:01:40

First Dose M/F: NA / NA

SKH-1/NCTR Mouse FEMALE	NOCREAM 6.85SSL	NOCREAM 13.7SSL	VEHICLE 13.7SSL	ALOGEL3% 13.7SSL	ALOGEL6% 13.7SSL	WHLEAF3% 13.7SSL
Tumor Summary for FEMALE						
Total Animals with Primary Neoplasms (b)	23	35	35	33	33	34
Total Primary Neoplasms	36	73	76	81	81	81
Total Animals with Benign Neoplasms	18	20	21	25	29	26
Total Benign Neoplasms	22	21	21	25	30	28
Total Animals with Malignant Neoplasms	13	34	35	33	32	33
Total Malignant Neoplasms	14	52	55	56	51	53
Total Animals with Metastatic Neoplasms Total Metastatic Neoplasms						
Total Animals with Malignant Neoplasms Uncertain Primary Site						
Total Animals with Neoplasms Uncertain - Benign or Malignant						

a - Number of animals examined microscopically at site and number of animals with lesion

b - Primary tumors: all tumors except metastatic tumors

^{*} Number of animals with any tissue examined microscopically

Species/Strain: Mouse/SKH-1/NCTR

Route: SKIN APPLICATION

Test Type: 1-YEAR

P02: INCIDENCE RATES OF NEOPLASMS BY ANATOMIC SITE (a)

Test Compound: Aloe phototoxicity studies

CAS Number: ALOEPHOTOTOX

Date Report Requested: 10/23/2014 Time Report Requested: 13:01:40

First Dose M/F: NA / NA

Lab: NCTR

SKH-1/NCTR Mouse FEMALE	WHLEAF6% 13.7SSL	CHARL3% 13.7SSL	CHARCL6% 13.7SSL	. AEMOD_LO 13.7SSL	AEMOD_HI 13.7SSL	NOCREAM 20.5SSL
Tumor Summary for FEMALE						
Total Animals with Primary Neoplasms (b)	34	34	35	34	33	32
Total Primary Neoplasms	78	79	80	78	80	56
Total Animals with Benign Neoplasms	29	30	31	27	29	16
Total Benign Neoplasms	30	32	33	29	30	16
Total Animals with Malignant Neoplasms	32	33	33	32	32	28
Total Malignant Neoplasms	48	47	47	49	50	40
Total Animals with Metastatic Neoplasms						
Total Metastatic Neoplasms						
Total Animals with Malignant Neoplasms Uncertain Primary Site						
Total Animals with Neoplasms Uncertain - Benign or Malignant						
Total Uncertain Neoplasms						

** END OF REPORT **

a - Number of animals examined microscopically at site and number of animals with lesion

b - Primary tumors: all tumors except metastatic tumors

^{*} Number of animals with any tissue examined microscopically